



PTO/SB/08a (08-03)
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Information Disclosure Statement by Applicant (Use as many sheets as necessary)				Complete If Known	
Sheet	1	of	2	Application Number	10/827,148
				Filing Date	April 19, 2004
				First Named Inventor	James F. Stevens
				Art Unit	1764
				Examiner Name	Matthew Merkling
				Attorney Docket Number	X-0169

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/MJM/	AA	US-2002-0085987 A1	7/4/2002	Yokata	
	AB	US-2002-0110503 A1	8/15/2002	Gittleman et al.	
	AC	US-2003-0148153 A1	8/7/2003	Militsky et al.	
	AD	US-2003-0150183 A1	8/14/2003	Murata et al.	
	AE	US-2003-0175564 A1	9/18/2003	Militsky et al.	
	AF	US-3,108,857	10/28/1983	Gorin et al.	
	AG	US-3,188,179	6/8/1965	Gorin	
	AH	US-3,627,478	12/14/1971	Tepper	
	AI	US-4,598,838	7/8/1988	Wessel	
	AJ	US-5,360,461	11/1/1994	Meinzer	
	AK	US-5,814,460	3/25/1997	Schwartz et al.	
	AL	US-5,853,951	8/5/1995	Rodriguez et al.	
	AM	US-6,007,699	12/28/1999	Cole	
	AN	US-6,103,143	8/15/2000	Sircar et al.	
	AO	US-6,113,673	9/5/2000	Louffy et al.	
	AP	US-6,165,643	12/26/2000	Doyle et al.	
	AQ	US-6,290,753 B1	9/18/2001	Maeland et al.	
	AR	US-6,432,176 B1	8/13/2002	Klos et al.	
	AS	US-6,471,935 B2	10/29/2002	Jensen et al.	
	AT	US-6,534,033 B1	3/18/2003	Amendola et al.	
	AU	US-6,591,617 B2	7/15/2003	Wolfe	
	AV	US-6,598,055 B2	7/22/2003	Cooper et al.	
	AW	US-6,816,891 B1	9/9/2003	Sapru et al.	
	AX	US-6,830,848 B2	10/7/2003	Gruenwald	
	AY	US-6,860,880 B1	12/9/2003	Hampden-Smith et al.	
	AZ	US-6,872,077 B1	1/6/2004	Bradley et al.	
	AAA	US-6,872,372 B1	1/6/2004	Li et al.	
	ABB	US-6,882,838	1/27/2004	Stevens	
▼	ACC	US-6,885,762	2/3/2004	Brewster et al.	
	ADD	US-6,885,821 B2	2/3/2004	Kosek et al.	

Examiner Signature	/Matthew Merkling/	Date Considered	09/07/2007
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

2

Complete If Known

Application Number	10/827,148
Filing Date	April 19, 2004
First Named Inventor	James F. Stevens
Art Unit	1764
Examiner Name	Matthew Merkling

Attorney Docket Number

X-0169

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/MJM/	BA	EP 1,187,688 (WO 00/76629)	3/20/2002	Connor et al.		
	BB	JP 2000-273472	10/3/2000	Tatsuo et al.		
	BC	JP 2002-208425	7/26/2002	Yukitaka et al.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MJM/	CA	Alpay et al., "Combined Reaction and Separation in Pressure Swing Processes," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5845-5864	
	CB	Berty et al., "Beat the equilibrium," <i>Chemtech</i> , October 1990, pp 624-629	
	CC	Carvill et al., "Sorption-enhanced reaction process," <i>AIChE Journal</i> , Oct. 1998, Vol. 42, No. 10, pp 2765-2772	
	CD	Han et al., "Simultaneous shift reaction and carbon dioxide separation for the direct production of hydrogen," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5875-5883 (1995)	
	CE	Hutton et al., "Sorption-enhanced reaction process for hydrogen production," <i>AIChE Journal</i> , Feb. 1999, Vol. 45, No. 2, pp 248-256	
	CF	Kuramoto et al., "Repetitive carbonation-calcination reactions of Ca-based sorbents for efficient CO ₂ sorption at elevated temperatures," <i>Ind. Eng. Chem. Res.</i> , 2003, Vol. 42, pp 875-981	
	CG	Lin et al., "Hydrogen production from hydrocarbon by integration of water-carbon reaction and carbon dioxide removal (HyPr-RING Method)," <i>Energy and Fuels</i> , 2001, Vol. 15, pp 339-343	
	CH	Rizeq et al., "Fuel-flexible gasification-combustion technology for production of H ₂ and sequestration-ready CO ₂ ," Annual Technical Progress Report 2002, October 2002, DOE Award No. DE-FC28-00FT40974, General Electric and Environmental Research Corporation	
✓	CI	Silaban et al., "High temperature capture of carbon dioxide: characteristics of the reversible reaction between CaO(s) and CO ₂ (g)," <i>Chem. Eng. Comm.</i> , 1985, Vol. 137, pp 177-190	

Examiner Signature	/Matthew Merkling/	Date Considered	09/07/2007
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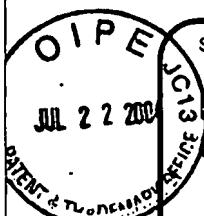
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(Use as many sheets as necessary)

Sheet 1 of 2

<i>Complete If Known</i>	
<i>Application Number</i>	10/827,148
<i>Filing Date</i>	April 19, 2004
<i>First Named Inventor</i>	James F. Stevens
<i>Art Unit</i>	1764
<i>Examiner Name</i>	Matthew Merkling
<i>Attorney Docket Number</i>	X-0169

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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of

Complete if Known

Application Number

10/827 148

Filing Date

April 19, 2004

First Named Inventor

James F. Stevens

Act Unit

1764

Examiner Name

Matthew Merkling

Attorney's Name: **Y. O. 16**

FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MJM/	CJ	Balasubramanian, et al., "Hydrogen from Methane in a Single-Step Process," <i>Chemical Engineering Science</i> , Vol. 54, No. . pp 3543-3552 (1999)	

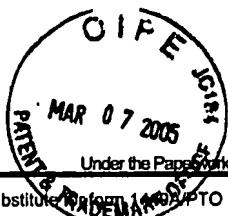
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